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**TITLE OF INVESTIGATION: 28990, INVESTIGATION OF ENVIRONMENTAL  
CHANGE PATTERN IN JAPAN**

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**PRINCIPAL INVESTIGATOR: DR. TAKAKAZU MARUYASU**  
SCIENCE UNIVERSITY OF TOKYO  
NODA CITY, CHIBA-KEN, 278, JAPAN

**CO-INVESTIGATOR: KIYOSHI TSUCHIYA**  
NATIONAL SPACE DEVELOPMENT AGENCY OF JAPAN

2-4-1, HAMAMATSU-CHO, MINATO-KU, TOKYO, 105  
JAPAN

KANAME TAKEDA  
NATIONAL RESEARCH INSTITUTE, SCIENCE AND TECHNOLOGY AGENCY.  
2-2-1, KASUMIGASEKI, CHIYODA-KU, TOKYO, 100  
JAPAN

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2-2-1, KASUMIGASE, CHIYODA-KU, TOKYO, 100,  
JAPAN

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APPLICATION OF LANDSAT-2 DATA FOR UNDERSTANDING ENVIRONMENTAL  
CHANGE IN THE COASTAL AND OFFSHORE ZONE

KIYOSHI TSUCHIYA

National Space Development Agency of Japan. 2-4-1, Hamamatsu-cho, Minato-ku,  
Tokyo, 105 JAPAN

KANAME TAKEDA

National Research Institute, Science and Technology Agency.  
2-2-1, Kasumigaseki, Chiyoda-ku, Tokyo, 100 JAPAN

During the period of Jan. to March 1976 visual analyse were made on the scenes of LANDSAT-2 covering Central Japan taken on Sep 11 1975 which are the only available ones for the area taken by LANDSAT-2, and comparison was made with the previous ones taken by LANDSAT-1 on Oct 5 1972.

It is found that not a little variation exists in the value of radiance. It is not clear if this variation is due to the variation of surface objects or not. In an attempt to find out the effect of atmospheric condition all available meteorological data for the area were collected and analyses have been made. The result indicates there is not a little difference in atmospheric condition between the scenes taken by LANDSAT-1 and 2.

Using the disital data of LANDSAT-1 and 2 quantitative analysis of atmospheric effects on the observed values of radiance is going on.